

FILE NOTATIONS

Entered in N I D File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy N I D to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed

OW

WW

TA

GW

OS

PA

Location Inspected

Bond released

State of Fee Land

LOGS FILED

Driller's Log

Electric Logs (No.)

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

Radioactivity log

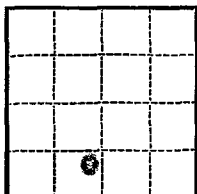
(SUBMIT IN TRIPLICATE)

Indian Agency NAVAJO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-22-603-242



SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|--|--|--|
| NOTICE OF INTENTION TO DRILL | | SUBSEQUENT REPORT OF WATER SHUT-OFF | |
| NOTICE OF INTENTION TO CHANGE PLANS | | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | | SUBSEQUENT REPORT OF ALTERING CASING | |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | | SUBSEQUENT REPORT OF REDRILLING OR REPAIR | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | | SUBSEQUENT REPORT OF ABANDONMENT | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | | SUPPLEMENTARY WELL HISTORY | |
| NOTICE OF INTENTION TO ABANDON WELL | | | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 12

19 63

Well No. 68-6 is located 660 ft. from [N] line and 1900 ft. from [E] line of sec. _____

CSE Section 16 42-6 2-1 Section 16
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Goshute Mesa San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4713 ft. G.L.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PROPOSED TO:

Set 300' of 1 1/8" casing and cement with 150 sacks of cement.
Run 8 5/8" intermediate casing to approximately 1450 feet & cement with 500 sacks.
(if water flow is encountered).
Run 4 1/2" production casing to a total depth of approximately 5750 feet and cement with 800 sacks.
Perforate Lamy and Desert Creek formations.
Acidize perforations and run 2 3/8 tubing.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company AMEC OIL AND GAS COMPANY

Address ALBUQUERQUE, N.M.

ALBUQUERQUE, NEW MEXICO

By ORIGINAL SIGNED BY JOE C. SALMON

Title JOE C. SALMON
DISTRICT SUPERINTENDENT

COMPANY Aztec Oil & Gas Company

Well Name & No. NavaJo 68-6

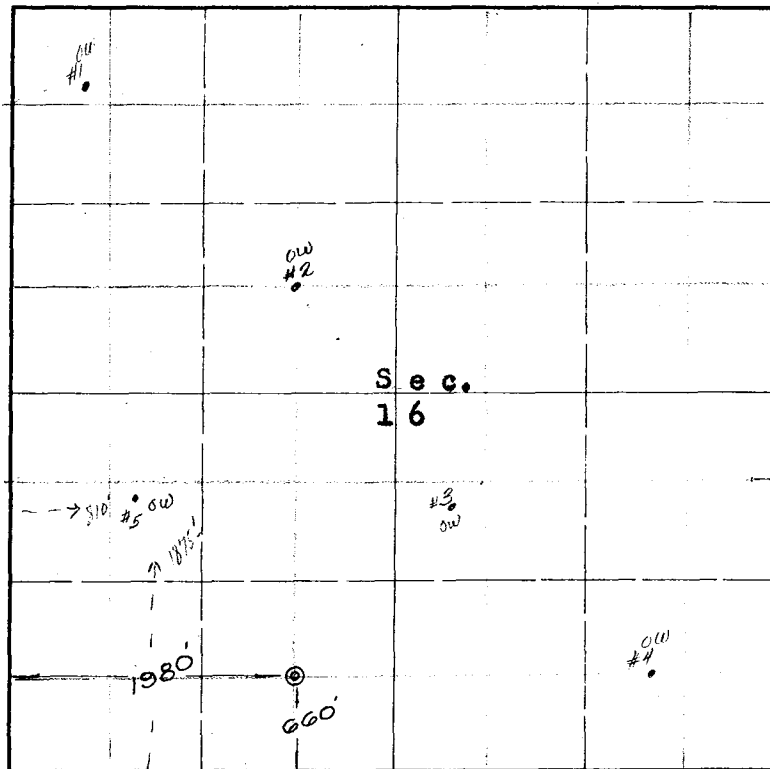
Lease No. _____

Location 660 feet from the South line and 1980 feet from the West line.

Being in SE1SW1

Sec. 16, T. 41 S., R. 23 E., ~~N.M.P.M.~~, Salt Lake Meridian, San Juan County, Utah.

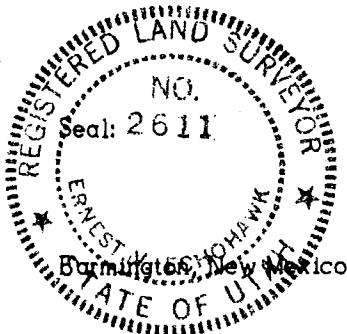
Ground Elevation 4713



Scale, 4" = 1 mile

Surveyed July 11, 19 63

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Ernest V. Echohawk

Ernest V. Echohawk

Registered Land Surveyor

N. M. Reg. #1545

Utah Reg. No. 2611

July 18, 1963

Aztec Oil and Gas Company
Drawer 570
Farmington, New Mexico

Attention: Joe C. Salmon, Dist. Supt.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo 68-#6, which is to be located 660 feet from the south line and 1980 feet from the west line of Section 16, Township 41 South, Range 23 East, S1EM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772
Home: CR 7-2890
Salt Lake City, Utah

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling,

Aztec Oil & Gas Company

-2-

July 18, 1963

particularly assessable near surface water sands.

Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

cc: Jerry Long, District Engineer
U. S. Geological Survey
Durango, Colorado

H. L. Coonts, Petroleum Engineer
Oil & Gas Conservation Commission
Moab, Utah

| | | | | | |
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SUNDRY NOTICES AND REPORTS ON WELLS

| | | |
|---|--|----|
| NOTICE OF INTENTION TO DRILL | SUBSEQUENT REPORT OF WATER SHUT-OFF | XX |
| NOTICE OF INTENTION TO CHANGE PLANS | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | SUBSEQUENT REPORT OF ALTERING CASING | |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | SUBSEQUENT REPORT OF ABANDONMENT | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | SUPPLEMENTARY WELL HISTORY | |
| NOTICE OF INTENTION TO ABANDON WELL | | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT: NOTICE, OR OTHER DATA)

AUGUST 9 1963

NAVAJO
Well No. 68-6 is located 660 ft. from $\left\{ \begin{smallmatrix} \text{XN} \\ \text{S} \end{smallmatrix} \right\}$ line and 1980 ft. from $\left\{ \begin{smallmatrix} \text{XEX} \\ \text{W} \end{smallmatrix} \right\}$ line of sec. _____

| | | | |
|---|-------------------------------------|------------------------------|------------------------|
| SW $\frac{1}{4}$ Section 16 ($\frac{1}{4}$ Sec. and Sec. No.) | T-41S (Twp.) | R-23E (Range) | S.L.P.M. (Meridian) |
| GOTHIC MESA (Field) | SAN JUAN (County or Subdivision) | UTAH (State or Territory) | |

The elevation of the derrick floor above sea level is 4713 ft. G.L.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well was spudded July 22, 1963
 Ran 10 joints 300' of 13 3/8" casing, landed at 329'.
 Tested casing with 500# pressure for 30 minutes. No leaks.
 Drilled cement July 23, 1963.
 Tested with 500# pressure for 30 minutes.
 No drop in pressure

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company AZTEC OIL AND GAS COMPANY

Address DRAWER #570
FARMINGTON, NEW MEXICO

By Joe C. Salmon
JOE C. SALMON
Title DISTRICT SUPERINTENDENT

| | | | |
|--|---|--|--|
| | | | |
| | | | |
| | | | |
| | X | | |

Allottee _____
Lease No. **14-20-603-243**

| | | |
|---|--|----|
| NOTICE OF INTENTION TO DRILL | SUBSEQUENT REPORT OF WATER SHUT-OFF | XX |
| NOTICE OF INTENTION TO CHANGE PLANS | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | SUBSEQUENT REPORT OF ALTERING CASING | |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | SUBSEQUENT REPORT OF ABANDONMENT | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | SUPPLEMENTARY WELL HISTORY | |
| NOTICE OF INTENTION TO ABANDON WELL | | |

AUGUST 16.....1963

Well No. 68-6 is located 660 ft. from SW line and 1980 ft. from NE line of sec. _____

| | | | |
|----------------------------------|-------------------------------------|------------------------------|------------------------|
| SW 16 (1/4 Sec. and Sec. No.) | 41S (Twp.) | 23E (Range) | S.L.P.M. (Meridian) |
| GOTHIC MESA (Field) | SAN JUAN (County or Subdivision) | UTAH (State or Territory) | |

The elevation of the derrick floor above sea level is 4713 ft. G.L.

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well was spudded July 22, 1963
Ran 10 jts 319 feet of 13 3/8" casing, landed at 329', and cemented
with 250 sacks cement.
Tested casing with 500# pressure for 30 minutes. No leaks.
Drilled cement 7-24-63.
Tested with 500# pressure for 30 minutes.
No drop in pressure.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company AZTEC OIL AND GAS

Address DRAWER #570

FARMINGTON, NEW MEXICO

By ORIGINAL SIGNED BY JOE C. SALMON

JOE C. SALMON
Title DISTRICT SUPERINTENDENT

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

14-20-603-243

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Company ARTEC OIL & GAS COMPANY Address DRAWN 570
Lessor or Tract NAVAJO Field GOthic MESA State NEAR
Well No. 68-6 Sec. 16 T. 41S R. 23E Meridian SLPM County SAN JUAN
Location 660 ft. [N. S.] of 3. Line and 1900 ft. [E. W.] of W. Line of 16-41S-23E Elevation 4713 GL
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed ORIGINAL SIGNED BY JOE C. HALLMON

Date SEPTEMBER 4, 1963

Title ~~DISTRICT SUPERINTENDENT~~ ^{JOE C. SALMON}

The summary on this page is for the condition of the well at above date.

Commenced drilling 7-22-63, 1963 Finished drilling 8-13-63, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5521 to 5538 No. 4, from _____ to _____
 No. 2, from 5550 to 5554 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated | | Purpose |
|-------------|-----------------|------------------|------|--------|--------------|---------------------|------------|-----|---------|
| | | | | | | | From— | To— | |
| 1 1/2 | 4.5 | 8 rd | J-45 | 515 | None | | | | |
| 1 3/4 | 4.6 | 8 rd | J-45 | 475 | None | | | | |
| 2 3/8 | 4.7 | 8 rd | J-55 | 554 | | | | | |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 13 3/8 | 329 | 250 | displacement | | |
| 4 1/2 | 5745 | 200 | two plug | | |
| | | | | | |

PLUGS AND ADAPTERS

| | | |
|-----------------------|--------|-----------|
| Heaving plug—Material | Length | Depth set |
| Adapters—Material | Size | |

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|------|------------|----------------|----------|------|------------|-------------------|

Acidized w/1000 gals ML acid & 11,000 gals of gelled acid w/40# per 1000 gals of F4.
Brk dwn.press.4600#;Avg IR 2.1 BFM;avg treating press.4900#; ISIP 4600. SI after 5 min 4500

TOOLS USED

Rotary tools were used from 0 feet to 5745 feet, and from 0 feet to 5717 feet
Cable tools were used from 0 feet to 0 feet, and from 0 feet to 0 feet

DATES

9-4-53, 1953 Put to producing 8-29-53, 1953
The production for the first 24 hours was 57 barrels of fluid of which 100% was oil; %
emulsion; 0% water; and 0% sediment. Gravity, °Bé. 39.5 @ 60 degrees
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

| FROM- | TO- | TOTAL FEET | FORMATION |
|-------|------|------------|-----------------------------------|
| | | | SAMPLE TOPS |
| 0 | 245 | | Surface Chinle 1412 |
| 245 | 329 | 84 | Sd & Sh Moenkopi 2283 |
| 329 | 3207 | 2878 | Sd & Sh Organ Rock 2620 |
| 3207 | 3525 | 318 | Sd, Sh, Anky. Cutler Evap 3400 |
| 3525 | 3652 | 127 | Sd, Sh, Anky Hermosa 4460 |
| 3652 | 4331 | 739 | Sd & Sh Ismay 5394 |
| 4331 | 4569 | 178 | Sd & Sh Paradox Shale 5574 |
| 4569 | 4748 | 23 | Sd, Sh, Lm Desert Creek 5613 |
| 4748 | 4835 | 156 | Sd & Sh Base Of Desert Creek 5710 |
| 4835 | 5078 | 87 | Sd & Lm |
| 5078 | 5128 | 40 | Sd, Sh, Lm |
| 5128 | 5183 | 50 | Sd & Lm |
| 5183 | 5280 | 97 | Sd, Lm, Sh |
| 5280 | 5357 | 77 | Sh & Lm |
| 5357 | 5487 | 130 | Sd & Lm |
| 5487 | 5554 | 67 | Cht & Lm |
| 5554 | 5563 | 9 | Shale |
| 5563 | 5595 | 32 | Sd & Lm |
| 5595 | 5624 | 29 | Sh & Lm |
| 5624 | 5645 | 21 | Core #1 |
| 5645 | 5669 | 24 | Lm & Sh |
| 5669 | 5689 | 20 | Core #2 |
| 5689 | 5745 | 56 | Core #2 Lm & Sh |

5745 TD

(OVER)

16-48094-5

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

WATER RESOURCES DIVISION

FIELD OF OPERATIONS

WATER RESOURCES

WATER RESOURCES

(SUBMIT IN TRIPLICATE)

Indian Agency **NAVAJO**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee

Lease No. 14-20-603-243

SUNDRY NOTICES AND REPORTS ON WELLS

| | |
|--|---|
| NOTICE OF INTENTION TO DRILL..... | SUBSEQUENT REPORT OF WATER SHUT-OFF..... |
| NOTICE OF INTENTION TO CHANGE PLANS..... | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF..... | SUBSEQUENT REPORT OF ALTERING CASING..... |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF REDRILLING OR REPAIR..... |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE..... | SUBSEQUENT REPORT OF ABANDONMENT..... |
| NOTICE OF INTENTION TO PULL OR ALTER CASING..... | SUPPLEMENTARY WELL HISTORY..... |
| NOTICE OF INTENTION TO ABANDON WELL..... | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

SEPTEMBER 4 1963

Well No. 68-6 is located 660 ft. from N line and 1980 ft. from E line of sec. _____

SW 1/4 16

(1/4 Sec. and Sec. No.)

413

(Twp.)

23

(Range)

SLPM

(Meridian)

GOTHIC MESA
(Field)

SAN JUAN
(County or Subdivision)

UTAH
(State or Territory)

The elevation of the derrick floor above sea level is 4713 ft. CL

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total depth 5745

Ran logs: Top of Chinle 1412; Moenkopi 2283; Organ Rock 2620; Cutler Evap 3400; Hermosa 4460; Ismay 5394; Paradox Shale 5574; Desert Creek ~~5574~~ 5613; Base of Desert Creek 5710.

Perforated from 5521-38 & 5550-54 with 4 shots per foot.

Ran 4 1/2" casing, 181 joints, 5745. Landed @ 5717.

Cemented with 200 sacks cement

Tested with 500# pressure for 2 hours. Pipe okay.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company AZTEC OIL & GAS

Address DRAWER #570

FARMINGTON, NEW MEXICO

By **ORIGINAL SIGNED BY JOE C. SALMON**

JOE C. SALMON

Title ~~DISTRICT SUPERINTENDENT~~

(SUBMIT IN TRIPLICATE)

Indian Agency **NAVAJO**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee

Lease No. _____

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SUNDRY NOTICES AND REPORTS ON WELLS

| | |
|---|--|
| NOTICE OF INTENTION TO DRILL | SUBSEQUENT REPORT OF WATER SHUT-OFF |
| NOTICE OF INTENTION TO CHANGE PLANS | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | SUBSEQUENT REPORT OF ALTERING CASING |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | SUBSEQUENT REPORT OF ABANDONMENT |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | SUPPLEMENTARY WELL HISTORY |
| NOTICE OF INTENTION TO ABANDON WELL | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

~~SEPTEMBER 4~~, 19~~63~~

Well No. NAVAJO 68-6 is located 660 ft. from N line and 1980 ft. from E line of sec. 10

~~SW 16~~ (4 Sec. and Sec. No.) ~~415~~ (Twp.) ~~23E~~ (Range) ~~51PM~~ (Meridian)

~~GOthic MESA~~ ~~SAN JUAN~~ ~~UTAH~~
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ~~4713~~ ft. OL

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total depth 5745. FBID 5717
Acidized well with 1000 gallons of NE acid & 11,000 gallons geled acid with 40#
per 1000 gallons of F4
Breakdown pressure 4600#
Average Injection Rate 2.1 BPM
Average Treating pressure 4900#
ISIP 4600#
Baker Model R Packer set @ 5463
Flowing through tubing.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company AZTEC OIL & GAS

Address.....DRAWER #570

~~FARMING~~ ~~MEXICO~~

By ORIGINAL SIGNED BY JOE C. SALMON

JOE C. SALMON

Title ~~DISTRICT SUPERINTENDENT~~

Copy AL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE _____
TRIBE _____
LEASE NO. 14-20-602-243

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Undesignated

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1964, Navajo 68

Agent's address Draeger 570 Company Astec Oil & Gas Company
Farmington, New Mexico Signed BENJAMIN MEANS B.H. Means

Phone 325-1841 Agent's title District Engineer

| SEC. AND ¼ OF ¼ | TWP. | RANGE | WELL NO. | DAYS PRODUCED | BARRELS OF OIL | GRAVITY | CU. FT. OF GAS (In thousands) | GALLONS OF GASOLINE RECOVERED | BARRELS OF WATER (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|--------------------|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| 16 NW NW | 41S | 23E | 1 | 29 | 511.91 | 42.6 | 247 | | 25 | |
| 16 SE NW | 41S | 23E | 2 | 29 | 1671.48 | 42.6 | 275 | | 30 | |
| 16 NW SE | 41S | 23E | 3 | 29 | 3096.00 | 42.6 | 47 | | 29 | |
| 16 SE SE | 41S | 23E | 4 | 29 | 57.09 | 42.6 | 10 | | 29 | |
| 16 NW SW | 41S | 23E | 5 | 29 | 532.00 | 42.6 | 190 | | Trace | |
| 16 SE SW | 41S | 23E | 6 | 0 | 0 | 41.1 | 0 | | 0 | SI |
| Totals | | | | | 5868.48 | | 769 | | 113 | |

NOTE.—There were 6343.19 runs or sales of oil; 409 M. cu. ft. of gas sold;

NO runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DATE
TIME
PLACE

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County San Juan Field UNDEVELOPED
The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1964, NAVAJO
Agent's address DRAWER 8570 Company ARIZONA OIL & GAS COMPANY
FARMINGTON, NEW MEXICO Original Signed By
Signed Carl E. Jameson
Phone 325-1841 Agent's title DISTRICT ENGINEER

| SEC. AND 1/4 OF 1/4 | TWP. | RANGE | WELL NO. | DAYS PRODUCED | BARRELS OF OIL | GRAVITY | CU. FT. OF GAS (In thousands) | GALLONS OF GASOLINE RECOVERED | BARRELS OF WATER (If none, so state) | REMARKS (If drilling depth; if shut down, date and result of test for gas content of gas) |
|---------------------|------|-------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|---|
| 16 NW NW | 41S | 23E | 1 | 31 | 301.30 | 44.4 | 110.9 | | 42 | |
| 16 SE NW | 41S | 23E | 2 | 30 | 1230.00 | 44.4 | 300.0 | | 60 | |
| 16 SW NW | 41S | 23E | 3 | 30 | 2640.40 | 44.4 | 440.0 | | 85 | |
| 16 SE SE | 41S | 23E | 4 | | | | | | | Injection Well |
| 16 SW SE | 41S | 23E | 5 | 31 | 288.66 | 44.5 | 260.1 | | 13 | |
| 16 SE SW | 41S | 23E | 6 | | | | | | | Injection Well |
| | | | | | 4460.36 | | 1111.0 | | 200 | |

325-1841

Note.—There were 325-1841 runs or sales of oil; 675 M. cu. ft. of gas sold;

none or sales of gasoline during the month. (Write "no" where applicable.)

Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in accordance with the schedule by the 1st of the succeeding month, unless otherwise directed by the supervisor.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____

Allottee _____

Lease No. 14-20-603-243

| | | | |
|---|--|--|--|
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| X | | | |

SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|-------------------------------------|--|--|
| NOTICE OF INTENTION TO DRILL _____ | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF _____ | |
| NOTICE OF INTENTION TO CHANGE PLANS _____ | | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____ | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____ | | SUBSEQUENT REPORT OF ALTERING CASING _____ | |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL _____ | | SUBSEQUENT REPORT OF REDRILLING OR REPAIR _____ | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____ | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF ABANDONMENT _____ | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING _____ | | SUPPLEMENTARY WELL HISTORY _____ | |
| NOTICE OF INTENTION TO ABANDON WELL _____ | | | |
| Prepare well for water injection | | | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 17, 19 64

HAVAMO
Well No. 68-6 is located 660 ft. from NE line and 1980 ft. from W line of sec. 16
SW/4 Section 16 41E 23E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Gothic Mesa San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4713 ft. GL

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Squeeze off Irmy perforations 5521-38, 5550-54.
Clean out to 5715' KB. Perforate Desert Creek zone from 5696-5705' KB
Run plastic coated tubing and packer. Set at 5650' and prepare well
for water injection.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Aztec Oil & Gas Company

Address Drawer 570

Farmington, New Mexico

By ORIGINAL SIGNED BY JOE C. SALMON

Title District Superintendent

(SUBMIT IN TRIPLICATE)

Indian Agency _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-20-603-243

| | | | |
|---|--|--|--|
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| | | | |
| | | | |
| X | | | |

SUNDRY NOTICES AND REPORTS ON WELLS

| | | |
|---|--|---|
| NOTICE OF INTENTION TO DRILL | SUBSEQUENT REPORT OF WATER SHUT-OFF | |
| NOTICE OF INTENTION TO CHANGE PLANS | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING | X |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | SUBSEQUENT REPORT OF ALTERING CASING | |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR | X |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | SUBSEQUENT REPORT OF ABANDONMENT | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | SUPPLEMENTARY WELL HISTORY | |
| NOTICE OF INTENTION TO ABANDON WELL | Well prepared for Water Injection | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 25, 1964

Well No. 68-6 is located 660 ft. from SW line and 1980 ft. from W line of sec. 16

SW/4 Section 16 41S 23E SLPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Gothic Mesa San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4713 GL
~~4718~~

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Rigged up. Pulled rods & tubing. Ran tubing & packer to 5329.
Cemented with 100 sx Neat Class "C" .6 of 1% Halad 9 2% C.C.
Squeezed to 3500#. Ran Correlation Log. Perf 5690 to 5688.
Ran 180 jts. of 2" tubing w/Halliburton R-3 packer set at 5599'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Aztec Oil & Gas Company

Address Drawer #570

Farmington, New Mexico

By ORIGINAL SIGNED BY JOE C. SALMON

Title District Superintendent

November 26, 1964

Artes Oil & Gas Company
Box 170
Farmington, New Mexico

Re: Well No. Navajo 67-1
Sec. 9, T. 41 N., R. 23 E.,

Well No. Navajo 67-4
Sec. 9, T. 41 N., R. 23 E.,

Well No. Navajo 68-4
Sec. 16, T. 41 N., R. 23 E.,

Well No. Navajo 68-6
Sec. 16, T. 41 N., R. 23 E.,
San Juan County, Utah

Gentlemen:

It would be appreciated if you could furnish this office with the dates that you commenced and completed operations to convert to water injection for the above mentioned wells.

Also, it was noted that a correlation log was run on Well No. 68-6, of which we would like a copy.

Thank you for your cooperation in this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA M. PECK
SUPERVISING CLERK STENOGRAPHER

CHP:ech

12.

AZTEC OIL & GAS COMPANY

P. O. DRAWER 570
FARMINGTON, NEW MEXICO

November 30, 1964

Oil & Gas Conservation Commission
348 East South Temple
Suite 301
Salt Lake City, Utah

Attn: Clarelia N. Peck
Supervising Clerk Stenographer

Dear Mrs. Peck:

Below is the information you asked for in your letter to us dated November 24, 1964:

| | | |
|-------------|-------------------|-------------------|
| Navajo 67-1 | Commenced 8-11-64 | Completed 8-15-64 |
| Navajo 67-4 | Commenced 8-16-64 | Completed 8-20-64 |
| Navajo 68-4 | Commenced 8-24-64 | Completed 8-26-64 |
| Navajo 68-6 | Commenced 8-21-64 | Completed 8-24-64 |

Yours truly,



Carl E. Jameson
District Engineer

CEJ/ab

SUPERIOR OIL

RECEIVED
FEB 14 1984

February 9, 1984

**DIVISION OF
OIL, GAS & MINING**

Hal Balthrop
State of Utah
Oil, Gas & Mining
4241 State Office Bldg
Salt Lake City, Utah 84114

Re: Well Names
White Mesa/Gothic Mesa Units
San Juan County, Utah

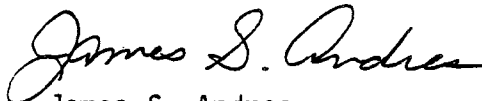
Dear Sir:

Superior Oil Company has recently purchased Southland Royalty's interest in the White Mesa and Gothic Mesa Units and as of February 1, 1984 has taken over as operator. As operator we are in the process of establishing a standard for naming future wells to be drilled. In order for this system to be consistent existing well names will need to be changed. It is proposed that a system be implemented where by a well is named according to the section and 1/4-1/4 section in which the well lies.

Unless additional information is required Superior Oil will begin using the well names as cross referenced on the following attachments one week from the above date.

Sincerely,

SUPERIOR OIL COMPANY



James S. Andres
Engineer

JSA/Th
Attach.

PROPOSED WELL NAMES GOTHIC MESA

GOTHIC

| | | | | | | | |
|-------|--------------|---------------|-------|-----|-----|----|----|
| 36 | Navajo 58A-1 | 43-037- 15032 | 7-41 | 415 | 23E | 40 | 7 |
| | Navajo 58A-2 | 15034 | 6-34 | | | | 6 |
| | Navajo 58A-4 | 15036 | 7-21 | | | | 7 |
| | Navajo 58B-2 | 15033 | 8-42 | | | | 8 |
| | Navajo 58B-3 | 15035 | 8-12 | | | | 8 |
| | Navajo 58B-4 | 15037 | 8-33 | | | | 8 |
| | Navajo 58B-5 | 15038 | 8-44 | | | | 8 |
| | Navajo 58B-6 | 15039 | 6-23 | | | | 6 |
| | Navajo 59-1 | 15040 | 17-31 | | | | 17 |
| WI | Navajo 67-1 | 16451 | 9-44 | | | | 9 |
| | Navajo 67-2 | 15041 | 9-13 | | | | 9 |
| WI | Navajo 67-4 | 16452 | 9-24 | | | | 9 |
| WI | Navajo 68-1 | 15042 | 16-11 | | | | 16 |
| | Navajo 68-2 | 15043 | 16-22 | | | | 16 |
| | Navajo 68-3 | 15044 | 16-33 | | | | 16 |
| WI | Navajo 68-4 | 16453 | 16-44 | | | | 16 |
| | Navajo 68-5 | 15045 | 16-13 | | | | 16 |
| ★ RWI | Navajo 68-6 | 16454 | 16-24 | | | | 16 |



Southland Royalty Company

February 17, 1984

RECEIVED
FEB 21 1984
SALT LAKE CITY

DIVISION OF
OIL, GAS & MINING

Mr. Cleon B. Feight
State of Utah Natural Resources
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Dear Mr. Feight:

Effective February 1, 1984, Superior Oil Company will operate the White Mesa Unit and Gothic Mesa Unit in San Juan County, Utah. Any correspondence regarding either Unit should be directed to Superior Oil Company in Cortez, Colorado.

Sincerely,

SOUTHLAND ROYALTY COMPANY

Doug R. Harris
Petroleum Engineer

DRH/eg



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 3, 1985

Mobil Oil Company
P.O. Box 5444
Denver, Colorado 80217

ATTN: Lowell Martinson-mail stop 6G

Gentlemen:

According to our records, the information required to be filed no later than October 8, 1984 for the following listed water injection wells under Rule I-4 has not been received by this Division.

GOTHIC MESA-SAN JUAN COUNTY

| <u>WELL NO.</u> | <u>SECTION</u> | <u>TOWNSHIP</u> | <u>RANGE</u> |
|-----------------|----------------|-----------------|--------------|
| 9-44(67-1) | 9 | 41 South | 23 East |
| 9-24 (67-4) | 9 | 41 South | 23 East |
| 16-11 | 16 | 41 South | 23 East |
| 16-24 | 16 | 41 South | 23 East |
| 16-44 | 16 | 41 South | 23 East |

WHITE MESA-SAN JUAN COUNTY

| <u>WELL NO.</u> | <u>SECTION</u> | <u>TOWNSHIP</u> | <u>RANGE</u> |
|-----------------|----------------|-----------------|--------------|
| G21 (21-13) | 13 | 41 South | 24 East |
| 4 (22-32) | 22 | 41 South | 24 East |
| A-9 (33-23) | 33 | 41 South | 24 East |
| 38 (33-41) | 33 | 41 South | 24 East |
| 60 (2-21) | 2 | 42 South | 24 East |
| 68 (3-12) | 3 | 42 South | 24 East |
| 63 (4-41) | 4 | 42 South | 24 East |
| 67 (4-32) | 4 | 42 South | 24 East |
| 75 (4-43) | 4 | 42 South | 24 East |
| 78 (4-14) | 4 | 42 South | 24 East |
| 83 (10-41) | 10 | 42 South | 24 East |

Page 2
December 3, 1985
Mobil Oil Company
Lowell Martinson

If water or other liquids are being injected into any of these wells, they are being operated illegally (see enclosed Attorney General's informal opinion No. 85-55). If injection is taking place, please shut-in the well or wells until an application for a Class II well has been filed and approved.

Incidentally, failure to shut-in an illegal well could result in a fine of \$5,000 or \$10,000 per day for each day of violation.

Enclosed are some forms and a copy of Rule I-4 and I-5.

Thank you,

Cleon B. Feight
Cleon B. Feight
UIC Manager

Enclosures

mfp
0009U-34

cc: Mobil Oil Company
P.O. Drawer G
Cortez, Colorado 81321
ATTN: Gregg Tript



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 13, 1985

CERTIFIED RETURN RECEIPT REQUESTED
P 168 903 789

Mr. Gregg Tript
Mobil Oil Company
P.O. Box G
Cortez, Colorado 81321

Dear Mr. Tript:

Re: Request for Information of Existing Class II Injection Wells

The purpose of this letter is to confirm your telephone conversation with Ron Firth, Associate Director of Oil and Gas, and clarify the status of certain existing Class II Injection Wells.

According to our records, information required in Rule I-4 (enclosed) has not been filed with the Division for the following wells:

GOTHIC MESA-SAN JUAN COUNTY

| <u>WELL NO.</u> | <u>SECTION</u> | <u>TOWNSHIP</u> | <u>RANGE</u> |
|-----------------------|----------------|-----------------|--------------|
| 9-44(67-1) <i>NO</i> | 9 | 41 South | 23 East |
| 9-24 (67-4) <i>NO</i> | 9 | 41 South | 23 East |
| 16-11 <i>NO</i> | 16 | 41 South | 23 East |
| 16-24 <i>NO</i> | 16 | 41 South | 23 East |
| 16-44 <i>NO</i> | 16 | 41 South | 23 East |

Page 2
Mr. Gregg Tript
December 13, 1985

WHITE MESA-SAN JUAN COUNTY

| <u>WELL NO.</u> | <u>SECTION</u> | <u>TOWNSHIP</u> | <u>RANGE</u> |
|-----------------------|----------------|-----------------|--------------|
| G21 (21-13) <i>NO</i> | 13 | 41 South | 24 East |
| 4 (22-32) <i>✓</i> | 22 | 41 South | 24 East |
| A-9 (33-23) <i>NO</i> | 33 | 41 South | 24 East |
| 38 (33-41) <i>NO</i> | 33 | 41 South | 24 East |
| 60 (2-21) <i>✓</i> | 2 | 42 South | 24 East |
| 68 (3-12) <i>✓</i> | 3 | 42 South | 24 East |
| 63 (4-41) <i>✓</i> | 4 | 42 South | 24 East |
| 67 (4-32) <i>✓</i> | 4 | 42 South | 24 East |
| 75 (4-43) <i>✓</i> | 4 | 42 South | 24 East |
| 78 (4-14) <i>NO</i> | 4 | 42 South | 24 East |
| 83 (10-41) <i>NO</i> | 10 | 42 South | 24 East |

As Mr. Firth indicated, you are being given a thirty-day period, effective from receipt of this letter, to file the necessary information with the Division. You are not required to shut-in the above-referenced wells, as indicated in the December 3, 1985 letter from Cleon Feight. You may continue to operate in accordance with Division statute and rules until we have reviewed your submission. At that time, we will notify you in writing of the sufficiency of information filings and the status of the wells.

Thank you for your assistance with this matter.

Best regards,

Dianne R. Nielson

Dianne R. Nielson
Director

mjm
Enclosure
cc: R. J. Firth
Mobil Oil Company
ATTN: Lowell Martinson - mail stop GG
P.O. Box 5444
Denver, Colorado 80217
0454V

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE 1-3 & RULE 1-4)

RECEIVED

JAN 30 1986

FORM NO. DOGM-UIC-1
(Revised 1982)

DIVISION OF OIL
& MINING

IN THE MATTER OF THE APPLICATION OF

Mobil Oil Corp, as agent for Superior Oil

CAUSE NO.

ADDRESS P. O. Drawer G

Cortez, Co 87021

INDIVIDUAL ☐ PARTNERSHIP ☐ CORPORATION ☒

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR

INJECT FLUID INTO THE GMU #16-24 WELL

SEC. 16 TWP. 41S RANGE 23E

San Juan

COUNTY, UTAH

ENHANCED RECOVERY INJ. WELL
DISPOSAL WELL
LP GAS STORAGE
EXISTING WELL (RULE 1-4)

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule 1-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

| | | | |
|---|--|---|-----------------------------|
| Lease Name Gothic Mesa Unit | Well No. 16-24 | Field Greater Aneth- | County San Juan |
| Location of Enhanced Recovery Injection or Disposal Well 660 ESL 1980 FW Sec. 16 Twp. 41S Rge. 23E | | | |
| New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Casing Test Yes <input type="checkbox"/> No <input type="checkbox"/> Date 9-4-63 | |
| Depth-Base Lowest Known Fresh Water Within 1/2 Mile 1200 | Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | | State What Gas Oil & Gas |
| Location of Injection Source(s) Gothic Mesa Unit Produced Water | Geologic Name(s) Desert Creek & Ismay and Depth of Source(s) 5500' | | |
| Geologic Name of Injection Zone Desert Creek | Depth of Injection Interval 5696' to 5705' | | |
| a. Top of the Perforated Interval: 5696' | b. Base of Fresh Water: 1200' | c. Intervening Thickness (a minus b) 4496 | |
| Is the Intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | | | |
| Lithology of Intervening Zones See Attachment 1 | | | |
| Injection Rates and Pressures Maximum 2000 B/D 3000 PSI | | | |
| The Names and Addresses of Those to Whom Notice of Application Should be Sent. | | | |
| | | | |
| | | | |
| | | | |

State of Colorado

County of Montezuma

Chas. J. Benally
Applicant

Before me, the undersigned authority, on this day personally appeared
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on
oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated
therein, and that said report is true and correct.

Suscribed and sworn to before me this 24th day of Jan, 1986

SEAL
PUEBLO
CO

My commission expires 9/29/86

Notary Public in and for Colo

(To be filed within 30 days after drilling is completed)

14-20-603-243

COMPLETION & TEST DATA BY PRODUCING FORMATION

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

API NO. 45-037-16454 DIVISION OF OIL, GAS, AND MINING

640 Acres
N

Room 4241 State Office Building
Salt Lake City, Utah 84114

COUNTY San Juan SEC. 16 TWP. 41S RGE. 23E

COMPANY OPERATING Mobil Oil Corp.

OFFICE ADDRESS P. O. Drawer G

TOWN Cortez STATE CO. ZIP 81321

FARM NAME Gothic Mesa Unit WELL NO. 16-24

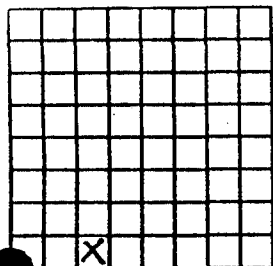
DRILLING STARTED 7/22 1963 DRILLING FINISHED 8/13 1963

DATE OF FIRST PRODUCTION 8/29/63 COMPLETED 9/3/63

WELL LOCATED SW 4 SE 4 SW 4

660 FT. FROM SL OF X SEC. & 1980 FT. FROM WL OF X SEC.

ELEVATION DERRICK FLOOR 4720 GROUND 4713



Locate Well Correctly
and Outline Lease

TYPE COMPLETION

Single Zone XX

Multiple Zone _____

Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

| Name | From | To | Name | From | To |
|--------------|------|------|------|------|----|
| Desert Creek | 5521 | 5554 | | | |
| | | | | | |
| | | | | | |

CASING & CEMENT

| Casing Set | | | | Csg. Test | Cement | | |
|------------|------|-------|------|-----------|--------|--------|-----|
| Size | Wgt. | Grade | Feet | Psi | Sax | Fillup | Top |
| 13-3/8 | 48 | J-55 | 319 | | 250 | | |
| 4-1/2 | 9.5 | J-55 | 5735 | | 200 | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

TOTAL DEPTH 5745

PACKERS SET Halliburton R-3 packer set at 5599

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

FORMATION

Desert Creek

SPACING & SPACING
ORDER NO.

CLASSIFICATION
(DISPOSAL WELL, ENHANCED
RECOVERY, LP GAS STORAGE)

Oil

PERFORATED

5521-5538

INTERVALS

5550-5554

ACIDIZED?

12,000 gal.

FRACTURE TREATED?

INITIAL TEST DATA

Date

9-4-63

Oil, bbl./day

49

Oil Gravity

Gas, Cu. Ft./day

CF

CF

CF

Gas-Oil Ratio Cu. Ft./Bbl.

Water-Bbl./day

8

Pumping or Flowing

CHOKE SIZE

FLOW TUBING PRESSURE

A record of the formations drilled through, and pertinent remarks are presented on the reverse.
(use reverse side)

Telephone 303-565-2205

Name and title of representative of company

Date: 1-21-84

ATTACHMENT I

Gothic Mesa 16-24

RECEIVED**JAN 30 1986****DIVISION OF OIL
GAS & MINING**

RULE I-5: Application for Approval of Class II Injection Well

- (A) Form DOGM-UIC-1 is attached
- (B) (1) See attached land plats
- (2) Form DOGM-UIC-2 is attached
- (3) See attached well bore sketch and Form DOGM-UIC-2
- (4) (i) The intervening thickness is approximately 4,696 feet between the injection interval and the deepest fresh water sand. Furthermore, all fresh water sands are behind 4-1/2"-13-3/8" casing. The annulus pressure will be monitored to insure no behind pipe communication occurs.
- (ii) Maximum estimated surface pressure: 3,000 psi
Maximum estimated rate: 2,000 BWPD

| <u>Formation</u> | <u>Depth</u> | <u>Lithology</u> |
|------------------|--------------|------------------|
| Chinle | 1412 | Sand and Shale |
| Moenkopi | 2283 | Sand and Shale |
| Organ Rock | 2620 | Shale |
| Cutler | 3400 | Sand and Shale |
| Hermosa | 4460 | Limestone |
| Ismay | 5394 | Limestone |
| Paradox Shale | 5574 | Shale |
| Desert Creek | 5613 | Limestone |

- (5) (i) A throttling valve is installed on the wellhead to control injection rates and pressures.
 - (ii) The source of injection water is produced water from oil wells in the Gothic Mesa Unit. The wells produce from the Ismay and Desert Creek formation ranging in depth from 5,000' to 6,000'.
 - (iii) The injection water consists of:

| | |
|-----------------------|--------------------|
| Barium: Absent | Hydroxide: Absent |
| Bicarbonate: 390 ppm | Iron: 4352 ppm |
| Calcium: 12,800 ppm | Magnesium: 972 ppm |
| Carbonate: Absent | Sodium: 12,317 ppm |
| Chlorides: 49,700 ppm | Sulfate: 100 ppm |
 - (iv) The injection zone in the Desert Creek Formation. It consists of limestone, anhydrite and dolomite. It extends throughout the Paradox Basin and is underlain by the Chimney Rock Shale and overlain by the Paradox Shale.
 - (v) All fresh water sands are behind casing.
 - (vi) See (iii) above for representative sample.
- (6) If the injection well must be shut-in, then the producing wells can also be shut-in.

(7) N/A

- (8) The Division will be notified of the date and time of the mechanical integrity test. This advance notice will enable DOGM to monitor the test.
- (9) There are no known defective wells in the area.
- (10) Well was initially drilled by Aztec Oil and Gas. It was subsequently operated by Southland Royalty, and now by Mobil Oil as agent for Superior Oil. Well converted to injection status in September, 1964. Well is currently shut-in pending evaluation this year of its future use.

COMPANY Aztec Oil & Gas Company

Well Name & No. Navajo 68-6

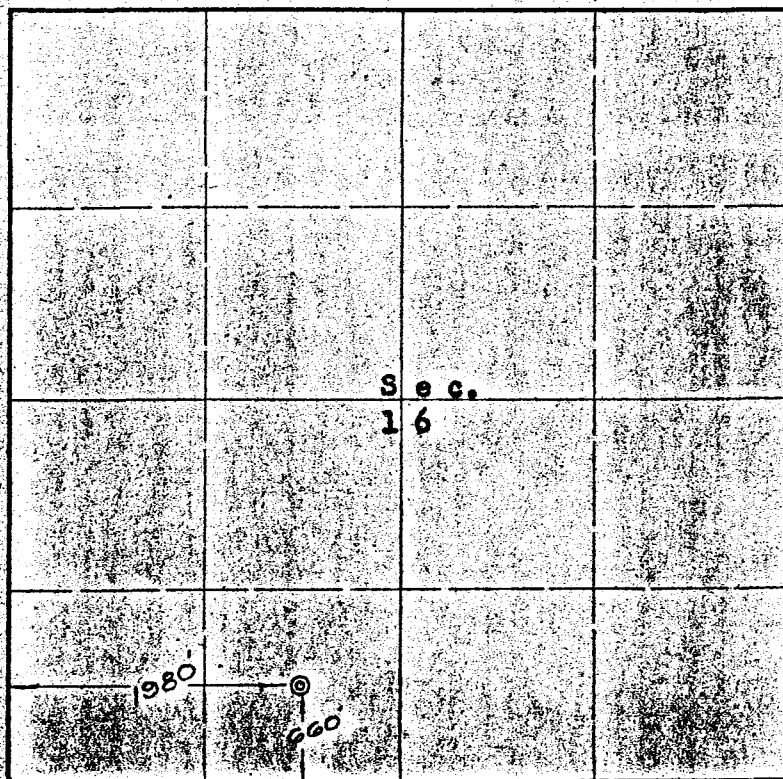
Lease No. _____

Location 660 feet from the South line and 1980 feet from the West line.

Being in SE 1/4 SW 1/4

Sec. 16, T. 41 N., R. 23 E., ~~Range~~, Salt Lake Meridian, San Juan County, Utah.

Ground Elevation 4713



Scale, 4" = 1 mile

RECEIVED

JAN 30 1966

DIVISION OF OIL
GAS & MINING

Surveyed July 11, 1963

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Ernest V. Echohawk

Ernest V. Echohawk
Registered Land Surveyor
N. M. Reg. #1545
Utah Reg. No. 2611

GOTHIC MESA UNIT 16-24 WELLBORE SKETCH
(Not to Scale)

13 & 3/8", 48#, J-55
conductor csg cmtd w/ 250 sx
to surface

319'

180 jts 2" tubing

Packer

5599'

Desert Creek perms
5521'-5538'

Desert Creek perms
5550'-5554'

4 & 1/2", 9.5#, J-55 prod.
csg cmtd w/ 200 sx

TD 5735'

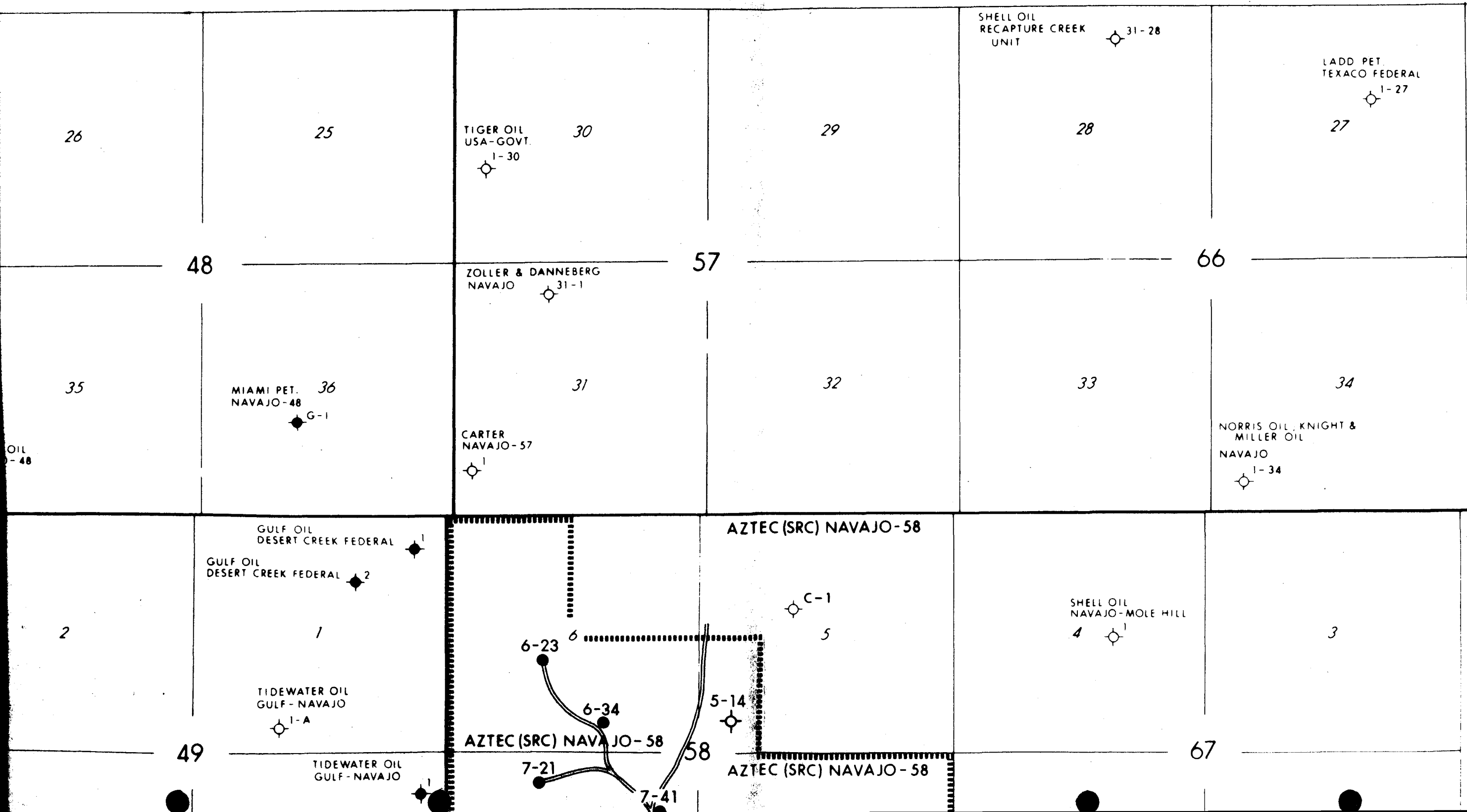
RECEIVED

JAN 30 1986

DIVISION OF OIL
GAS & MINING

R23E

T
40
S



GULF OIL
AZTEC NAVAJO



CARTER OIL
NAVAJO-50



AZTEC (SRC) NAVAJO-58

C (SRC) ZOLLER & DANNEBERG
NAVAJO-59

SHELL OIL
MOLE HILL
34-17

AZTEC (SRC) NAVAJO-67

AZTEC (SRC) NAVAJO-68

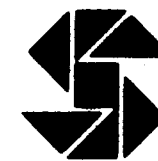
UNIT BOUNDRY

CARTER OIL
NAVAJO-50



III

- Proposed Well
- Producing Well
- ☼ Gas Well
- ⦿ Water Injection Well
- Temporarily Abandoned
- ⦿ Plugged and Abandoned
- ⊙ Dry Hole



Southland Royalty Company
ROCKY MOUNTAIN DISTRICT

DENVER, COLORADO

GOTHIC MESA UNIT
SAN JUAN COUNTY, UTAH

ROAD MAP

J. E. GREEN
R. B. MELLOR

SCALE: 1" = 2000'

JAN. 2, 198
MAY 17, 197

T
41
S

RECEIVED

JAN 30 1986

DIVISION OF OIL
GAS & MINING

Mobil Oil Corporation

P.O. DRAWER G
CORTEZ, COLORADO 81321

January 9, 1986

RECEIVED

JAN 30 1986

DIVISION OF OIL
GAS & MINING

Dianne R. Nielson, Director
State of Utah Division of Oil, Gas and Mining
355 W. N. Temple, 3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ms. Nielson:

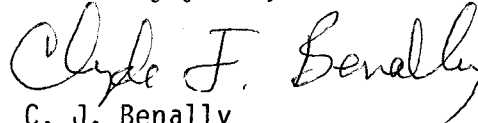
Enclosed is the information requested in your letter of December 13, 1985, and as discussed with Gilbert Hunt (DOGM) on January 6, 1986.

The Gothic Mesa 16-11 well is not an injection well. It was initially completed as a Desert Creek oil well in 1964. In 1965 the well was converted to an injector, then in 1974 it was converted back to an oil well. The well has been shut in since 1984.

The White Mesa G-21 well was incorrectly listed. It is actually in the McElmo Creek Unit. A Form UIC-5 is enclosed for it.

Please call me at 303-565-2205 if you have any questions.

Sincerely yours,



C. J. Benally
Sr. Regulatory Engineer

BW:dw
Encs.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

February 10, 1986

Mobil Oil Corporation
P.O. Drawer G
Cortez, Colorado 81321

ATTN: Mr. C.J. Benally

Dear Mr. Benally:

RE: Existing Class II Injection Wells - Information Request of
December 13, 1985

The information requested by the Division concerning existing Class II injection wells, which was requested in our letter dated December 13, 1985, has been received and found complete.

You are authorized to continue operation of the following listed wells in accordance with the Utah state statutes and rules until further notice from this Division.

Gothic Mesa - San Juan County

| <u>Well Name</u> | <u>Township</u> | <u>Range</u> | <u>Section</u> |
|------------------|-----------------|--------------|----------------|
| 9-44 (67-1) | 41 South | 23 East | 9 |
| 9-24 (67-4) | 41 South | 23 East | 9 |
| 16-24 | 41 South | 23 East | 9/16 |
| 16-44 | 41 South | 23 East | 9 |

White Mesa - San Juan County

| | | | |
|-------------|----------|---------|----|
| 4 (22-32) | 41 South | 24 East | 22 |
| A-9 (33-23) | 41 South | 24 East | 33 |
| 38 (33-41) | 41 South | 24 East | 33 |
| 60 (2-21) | 42 South | 24 East | 2 |
| 68 (3-12) | 42 South | 24 East | 3 |
| 63 (4-41) | 42 South | 24 East | 4 |
| 67 (4-32) | 42 South | 24 East | 4 |
| 75 (4-43) | 42 South | 24 East | 4 |
| 78 (4-14) | 42 South | 24 East | 4 |
| 83 (10-41) | 42 South | 24 East | 10 |

Page 2
C.J. Benally
February 10, 1986

A review of our records indicates that well No. 16-11, Township 4 South, Range 23 East, Section 16, is a shut-in oil well and well No. G21 (21-13), Township 41 South, Range 24 East, Section 13, has been plugged and abandoned.

Thank you for your cooperation and assistance. If further information or discussion is necessary concerning this matter, please give me a call.

Sincerely,



Gil Hunt
UIC Program Manager

mfp
0156U-59-60

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

Injection Wells 1/5
OnlyWESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 2)
FOR THE CORTEZ SUPERVISOR AREA
FOR THE GREATER ANETH FIELD 05/13/86

| PROPERTY NAME | WELL NAME | COUNTY | STATE | SEC | TWN | SHP | RNG | WELL TYPE | S T A P I N U M B E R | FEDERAL LEASE NUMBER | STATE NUMBER | UNIT NUMBER |
|------------------|--------------|----------|-------|-----|-----|------------|-----|--------------|---|-------------------------|-----------------|----------------|
| GOTHIC MESA | 9-24 | SAN JUAN | UT | SE | SW | 9-41S-23E | | INJ | SI 43-037-16452 | 14-20-603-242 | | 94-004216 |
| | 9-44 | SAN JUAN | UT | SE | SE | 9-41S-23E | | INJ | SI 43-037-16451 | 14-20-603-242 | | 94-004216 |
| | 16-24 | SAN JUAN | UT | SE | SW | 16-41S-23E | | INJ | SI 43-037-16454 | 14-20-603-243 | | 94-004216 |
| | 16-44 | SAN JUAN | UT | SE | SE | 16-41S-23E | | INJ | SI 43-037-16453 | 14-20-603-243 | | 94-004216 |
| MC ELMO CREEK | A17-1 | SAN JUAN | UT | NE | NE | 10-41S-24E | | INJ | OP 43-037-05592 | 14-20-0603-6148 | | 96-004190 |
| | A17-2 | SAN JUAN | UT | NE | NE | 10-41S-24E | | INJ | SI 43-037-05592 | 14-20-0603-6140 | | 96-004190 |
| | B-13 | SAN JUAN | UT | NW | NW | 2-41S-24E | | INJ | OP 43-037-05701 | 14-20-603-6509 | | 96-004190 |
| | B-15 | SAN JUAN | UT | NW | SW | 02-41S-24E | | INJ | OP 43-037-05657 | 14-20-603-6508 | | 96-004190 |
| | D-13 | SAN JUAN | UT | NW | NE | 2-41S-24E | | INJ | OP 43-037-16267 | 14-20-603-6510 | | 96-004190 |
| | D-15 | SAN JUAN | UT | NW | SE | 2-41S-24E | | INJ | OP 43-037-05656 | 14-20-0603-6147 | | 96-004190 |
| | D-17 | SAN JUAN | UT | NW | NE | 11-41S-24E | | INJ | OP 43-037-15704 | 14-20-603-5447 | | 96-004190 |
| | E-19 | SAN JUAN | UT | NE | SE | 11-41S-24E | | INJ | OP 43-037-16342 | 14-20-603-5449 | | 96-004190 |
| | E-21 | SAN JUAN | UT | NE | NE | 14-41S-24E | | INJ | OP 43-037-16343 | 14-20-603-370 | | 96-004190 |
| | E-23 | SAN JUAN | UT | NE | SE | 14-41S-24E | | INJ | OP 43-037-16344 | 14-20-603-370 | | 96-004190 |
| | F-11 | SAN JUAN | UT | NW | SW | 36-40S-24E | | INJ | OP 43-037-05743 | 14-20-0603-6146 | | 96-004190 |
| | F-13 | SAN JUAN | UT | NW | NW | 01-41S-24E | | INJ | OP 43-037-16345 | 14-20-603-4032 | | 96-004190 |
| | F-15A | SAN JUAN | UT | NW | SW | 1-41S-24E | | INJ | OP 43-037-31149 | 14-20-603-4032 | | 96-004190 |
| | F-17 | SAN JUAN | UT | NW | NW | 12-41S-24E | | INJ | OP 43-037-15493 | 14-20-603-4039 | | 96-004190 |
| | F15A | SAN JUAN | UT | NW | SW | 01-41S-24E | | INJ | OP 43-037-31149 | 14-20-603-4032 | | 96-004190 |
| | G-18 | SAN JUAN | UT | SE | NW | 12-41S-24E | | INJ | OP 43-037-15494 | 14-20-603-4039 | | 96-004190 |
| | G-19 | SAN JUAN | UT | NE | SW | 12-41S-24E | | INJ | OP 43-037-05532 | 14-20-603-5450 | | 96-004190 |
| | G-21 | SAN JUAN | UT | NE | NW | 13-41S-24E | | INJ | SI 43-037-16347 | 14-20-603-370 | | 96-004190 |
| | G-21A | SAN JUAN | UT | NE | NW | 13-41S-24E | | INJ | OP 43-037-30974 | 14-20-603-370 | | 96-004190 |
| | G-23 | SAN JUAN | UT | NE | SW | 13-41S-24E | | INJ | OP 43-037-16348 | 14-20-603-370 | | 96-004190 |
| | G-25 | SAN JUAN | UT | NE | NW | 24-41S-24E | | INJ | OP 43-037-16349 | 14-20-603-370 | | 96-004190 |
| | H-11 | SAN JUAN | UT | NW | SE | 36-40S-24E | | INJ | OP 43-037-05739 | 14-20-0603-6145 | | 96-004190 |
| | H-13 | SAN JUAN | UT | NW | NE | 01-41S-24E | | INJ | OP 43-037-05708 | 14-20-603-4032 | | 96-004190 |
| | H-15 | SAN JUAN | UT | NW | SE | 01-41S-24E | | INJ | OP 43-037-05666 | 14-20-603-4039 | | 96-004190 |
| | H-17 | SAN JUAN | UT | NW | NE | 12-41S-24E | | INJ | OP 43-037-05605 | 14-20-603-4039 | | 96-004190 |
| | I-20 | SAN JUAN | UT | SE | SE | 12-41S-24E | | INJ | OP 43-037-05524 | 14-20-603-4495 | | 96-004190 |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-243

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

GOTHIC MESA

8. FARM OR LEASE NAME

9. WELL NO.

16-24

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 16 T41S R23E

12. COUNTY OR PARISH 13. STATE

SAN JUAN

UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER Injection Well

2. NAME OF OPERATOR
MOBIL OIL CORPORATION

3. ADDRESS OF OPERATOR
P. O. DRAWER G, CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

660' FSL 1980' FWL (SESW)

MAR 12 1987

DIVISION OF

OIL, GAS & MINING

14. PERMIT NO.
43-037-16454

15. ELEVATIONS (Show whether DF, FTLR, etc.)
GL: 4713'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

-continue SI

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Mobil Oil Corporation has sold this unit and is waiting final assignment approvals from the Navajo Tribe and Bureau of Indian Affairs. Request that the well remain on shut in status as to give the new operator time and opportunity to review the future status of the well as part of the overall Gothic Mesa Unit operation.

18. I hereby certify that the foregoing is true and correct

SIGNED C. J. Benally
C. J. Benally

TITLE Sr. Environ. Engineer

DATE 3/5/87

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 3-17-87
BY: John R. Baga

Federal approval of this action
is required before commencing
operations.

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

5. Lease Designation And Serial No
14-20-603-243

SUNDRY NOTICES AND REPORTS ON WELLS

1. Oil Well ☐ Gas Well ☐ Other WATER INJECTION WELL

2. Name Of Operator
MOBIL OIL CORPORATION

3. Address Of Operator
P. O. BOX 5444, DENVER, CO., 80217-5444

4. Location Of Well
660 FSL, 1980 FWL, SEC. 16-41S-23E

6. Indian, Allottee Tribe Name
NAVAJO

7. Unit Agreement Name
GOTHIC MESA

8. Farm Or Lease Name

9. Well No.
16-24

10. Field And Pool, Or Wildcat
GREATER ANETH

11. Sec., T., R.,
SE SW Sec. 16-41s-23E

14. Permit No.
API 43-037-16454

15. Elevation

12. County
SAN JUAN

13. State
UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| Notice Of Intention To : | | | Subsequent Report Of : | | |
|--|---|---|--|--|--|
| Test Water Shut-off <input type="checkbox"/> | Pull Or Alter Casing <input type="checkbox"/> | Water Shut-off <input type="checkbox"/> | Repairing Well <input type="checkbox"/> | | |
| Fracture Treat <input type="checkbox"/> | Multiple Complete <input type="checkbox"/> | Fracture Treatment <input type="checkbox"/> | Altering Casing <input type="checkbox"/> | | |
| Shoot Or Acidize <input type="checkbox"/> | Abandon <input type="checkbox"/> | Shooting Or Acidizing <input type="checkbox"/> | Abandonment <input type="checkbox"/> | | |
| Repair Well <input type="checkbox"/> | Change Plans <input type="checkbox"/> | (Other) SALE OF PROPERTY <input type="checkbox"/> | | | |
| (Other) <input type="checkbox"/> | | | | | |

17. Describe Proposed Or Completed Operations

EFFECTIVE 10-3-86 MOBIL OIL CORPORATION SOLD THEIR INTEREST IN THE REFERENCED LEASE TO
PIONEER OIL & GAS - 6925 UNION PARK CENTER, SUITE 145- MIDVALE, UTAH 84047.

RECEIVED

SEP 25 1987

DEPARTMENT OF OIL
AND GAS

18. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title GENERAL ACCOUNTING SUPERVISOR

Date

9-21-87

Approved By

Title

Date

Conditions Of Approval If Any:

012510

Ph. (801)538-5340

NOTICE OF TRANSFER OF OWNERSHIP

Present operator: Mobil Exploration & Producing Telephone: 303-298-2346
North America Inc.

Address: PO Box 5444

City: Denver State: CO Zip: 80217-5444

Well no.: 16-24 Field or Unit name: Gothic Mesa Unit

Sec.: 16 Twp.: 41S Rng.: 23E County: San Juan Lease no.: 14-20-603-243

Effective date of transfer: September 17, 1987

43-037-16454

wlw

Mobil Exploration and Producing North America Inc.

C. E. Reny
Signature of present operator C. E. Reny
Attorney in Fact RP

January 12, 1987

Date

New operator: Pioneer Oil & Gas N3025

Address: 6925 Union Park Center, Suite 145

City: Midvale State: UT Zip: 84047

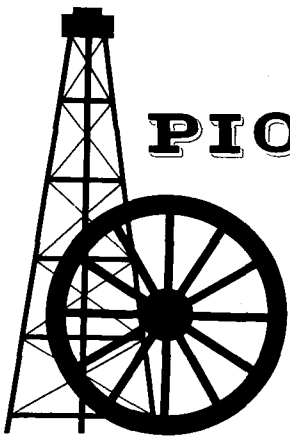
by: Shegg B. Coalter, Secretary
Signature of new operator

1-18-88

Date

(This space for DOGM approval)

Approved by: _____ Title: _____ Date: _____



PIONEER OIL & GAS

will file
RECEIVED
JAN 20 1988

DIVISION OF
OIL, GAS & MINING

January 19, 1988

Utah Natural Resources
Oil, Gas and Mining
3 Triad Center
Suite 350
SLC, UT 84180-1203

Re: Gothic Mesa Unit
San Juan County, Utah

To Whom It May Concern:

Enclosed are 3 executed notice of transfers for the above referenced unit. Please approve the transfer and send an approved notice to our office and Mobils.

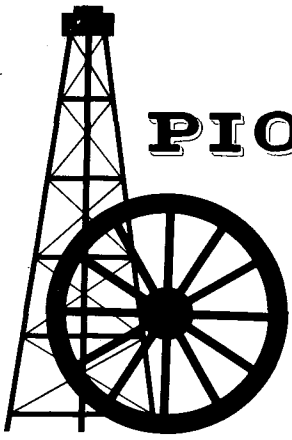
If you have any questions, please contact me.

Sincerely,

Gregg B. Colton
Gregg B. Colton
Corporate Secretary

GBC/tbp

Enc.



PIONEER OIL & GAS

RECORDED
JAN 21 1988

DEPT. OF
OIL AND MINING

January 20, 1988

Utah Department of Natural Resources
Oil, Gas and Mining
3 Triad Center
Suite 350
SLC, UT 84180-1203

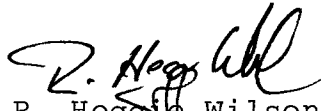
43-037-16454
W1W

Re: Transfer of Ownership
BIA Lse. 14-20-603-243
Gothic Mesa Unit
San Juan County, Utah

Gentlemen:

Enclosed please find 3 signed copies of a Notice of Transfer of Ownership pertaining to the above captioned lease.

Sincerely,


R. Hegg Wilson
Land Manager

RHW/tbp

Enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug well to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

| | | | |
|--|--|---|-------------------|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Water Injection | | 3. LEASE DESIGNATION AND SERIAL NO. 14-20-603-243 WTW | |
| 2. NAME OF OPERATOR Pioneer Oil & Gas | | 7. UNIT AGREEMENT NAME Gothic Mesa | |
| 3. ADDRESS OF OPERATOR 6925 Union Park Center, Suite 145, Midvale, UT 84047 | | 8. FARM OR LEASE NAME | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL, 1980' FWL, 16-41S-23E | | 9. WELL NO. 16-24 | |
| 14. PERMIT NO. API 43-037-16454 | | 10. FIELD AND POOL, OR WILDCAT Greater Aneth | |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SESW 16-41S-23E | |
| | | 12. COUNTY OR PARISH San Juan | 13. STATE Utah |

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

| | |
|--|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| (Other) <input type="checkbox"/> | Shut-In <input checked="" type="checkbox"/> |

SUBSEQUENT REPORT OF:

| | |
|--|--|
| WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| (Other) <input type="checkbox"/> | |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Pioneer Oil & Gas is reevaluating the field potential and thus requests that in order to maximize all possible reserves, Pioneer have two years to evaluate the potential for a resumed water flood in the Desert Creek and/or Ismay Formations based on the surrounding wells and wells to be drilled in the unit.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. Heggie Wilson

TITLE

Land Manager

DATE

5/2/88

(This space for Federal or State office use)

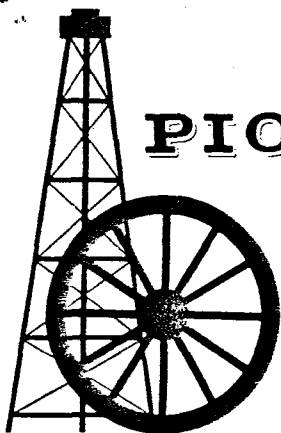
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



PIONEER OIL & GAS

AIRBORNE #242726750

May 2, 1988

RECEIVED
MAY 3 1988

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Attn: Ron Fellows

Re: Gothic Mesa Unit
Well Nos. 9-24, 9-44, 16-24, 16-44, 17-31,
9-13, 16-22, 16-11, 6-23, 8-42 and 8-33
San Juan County, Utah

-Flowing 1/2 BBL/day

Gentlemen:

Pursuant to your letters of April 6, 1988 and your letter of April 12, 1988 in which you request response to the current status and plans for the above captioned wells, we are hereby submitting in triplicate Sundry Notices pertaining to said wells.

Pioneer Oil & Gas acquired the Gothic Mesa Unit and associated leases from Mobil Oil Corporation and has acted as Operator since September 16, 1987. On March 31, 1988, the Assignments of Interest to Pioneer were approved by the Bureau of Indian Affairs and on April 7, 1988, by the Navajo Nation Mineral Department.

From September, 1987 until recently, Pioneer has been attempting to place together complete and accurate well files pertaining to all the Gothic Mesa wells. However, since the field has changed operators three times since 1983, it is extremely difficult to establish files that our management feels are complete.

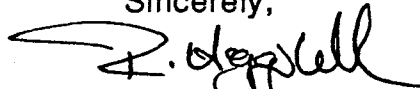
Nevertheless, we are currently in the process of reevaluating the entire field as far as new exploration possibilities and are anticipating two wells to be drilled in 1988 to test Akah, Desert Creek and Ismay possibilities. Along with these wells, Pioneer is reevaluating the entire unit for future reconditioning and redevelopment possibilities.

Therefore, as specifically outlined in the individual Sundry Notices, Pioneer is requesting a two year period commencing May 1, 1988, in which we plan to drill two tests to evaluate the Ismay, Desert Creek and Akah formations. During this time Pioneer will also evaluate the water flood, tertiary recovery, recompletion and reentry potential throughout the field. Our management feels that this time frame would

prudently allow us to fully analyze and thus develop to its maximum potential, the remaining oil and gas reserves within the Gothic Mesa Unit.

I shall be meeting with representatives of your office on May 4th so that we may further discuss these matters. However, please do not hesitate to contact me if you should have any immediate questions concerning this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Heggie Wilson", written over the typed name.

R. Heggie Wilson
Land Manager

RHW/tbp

Enc.

cc: State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 300
SLC, UT 84180-1204

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use APPLICATION FOR PERMIT for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER ☒ **WELL**

2. NAME OF OPERATOR
Pioneer Oil & Gas

3. ADDRESS OF OPERATOR
6925 Union Park Center, #145, M

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.
See also space 17 below.)
At surface
660' FSL, 1980' FWL

14. PERMIT NO.
43-037-16454

15. ELEVATIONS (Show whether OF, TO, or FROM)
4713' GL

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-243

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
Gothic Mesa Unit

8. FARM OR LEASE NAME

9. WELL NO.
16-24

10. FIELD AND POOL, OR WILDCAT
Gothic Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
16-41S-23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|--|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input checked="" type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) <input type="checkbox"/> | (Other) <input type="checkbox"/> |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Pioneer Oil & Gas proposes to plug and abandon this well as follows:

- 1) Set 100' cement plug across the existing perforations, or
Set a CIBP above perforations and dump 2 sacks of cement on top.
- 2) Perforate the top of the Hermosa and squeeze a 100' plug in the annulus and leave a 100' plug in the 4 1/2" casing.
- 3) Cut and pull the 4 1/2" casing at the base of the 8 5/8" intermediate casing.
- 4) Spot a 100' plug in and out of the base of the 8 5/8" casing.
- 5) Set a 50' plug at the surface and weld plate over the surface casing.
Erect a regulation dry hole marker.
- 6) Clean and rehabilitate location.

NOTE: 9# mud will be circulated between all plugs.

18. I hereby certify that the foregoing is true and correct

SIGNED *Eric Noblitt* TITLE Production Manager DATE 4/14/89

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

**Federal approval of this action
is required before commencing
operations.**

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

*See Instructions on Reverse Side

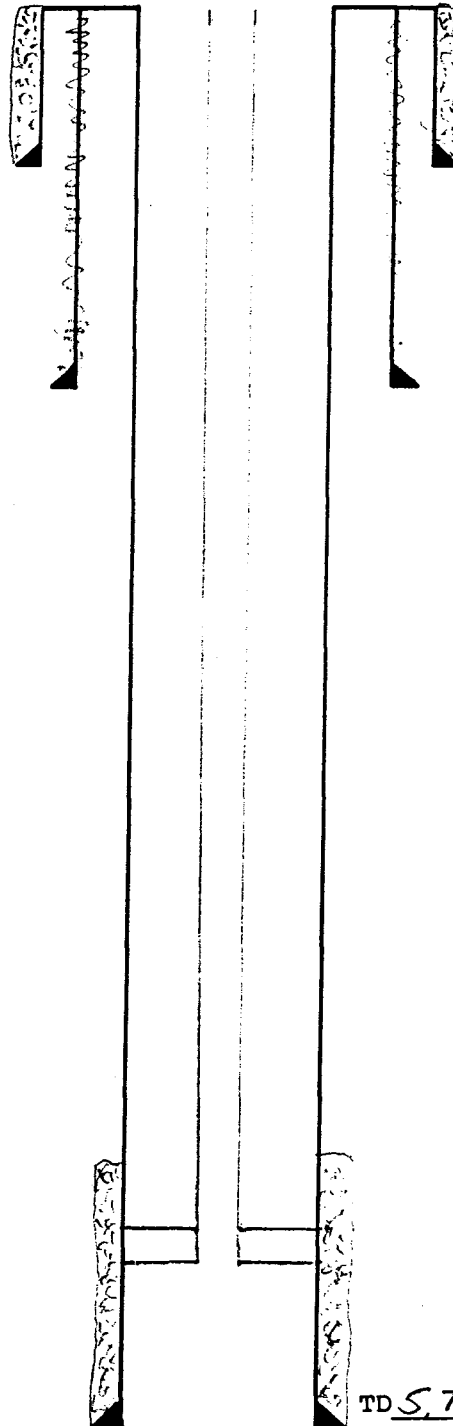
DATE 4-28-89
BY *John R. Bay*

WELL BORE DIAGRAM

Well Name: Gothic MESA 16-24
 Location: SE-SW 16-41S-23E

| Formation: | Depth: |
|---------------------|-------------|
| <u>Chinle</u> | <u>1412</u> |
| <u>Moenkopi</u> | <u>2283</u> |
| <u>Organ Rock</u> | <u>2620</u> |
| <u>Clitter</u> | <u>3400</u> |
| <u>Hermosa</u> | <u>4460</u> |
| <u>Ismay</u> | <u>5394</u> |
| <u>Desert Creek</u> | <u>5613</u> |
| | |
| | |
| | |
| | |

Remarks: INT. Well
180 JTS 2 3/8
Halliburton R. 3 PKR.
Set @ 5599'
Well Never Put
Into Service.

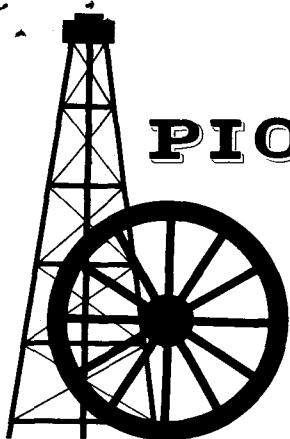


Conductor Casing: 13 3/8
 Set to: 319'
 Cement: 250 SK
CIRC. CMT. to Surface

Surface Casing:
 Set to: _____
 Cement: _____

Production Casing: 4 1/2"
 Set to: 5,735'
 Cement: 200 SK
Est CMT. Top 4,977'

TD 5,735'



PIONEER OIL & GAS

RECEIVED
AUG 29 1989

DIVISION OF
OIL, GAS & MINING

August 28, 1989

Ron J. Firth
State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
SLC, UT 84180

Dear Mr. Firth:

Please find enclosed the necessary copies of three separate sundry notices. Two of them concern the plugging of two wells (#9-44 and #16-24) in the Gothic Mesa Unit, San Juan County, Utah and the third concerns the acid stimulation job on the Sentinel Peak #27-14 injection well in Section 27-T41S-R26E, San Juan County, Utah.

Please feel free to call should you have any questions.

Sincerely,

Jason G. Blake
Field Operations Manager

JGB/tbp

Enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

14

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

| | | |
|---|--|---|
| 1. WELL TYPE OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Injection Well | | 5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-243 |
| 2. NAME OF OPERATOR Pioneer Oil & Gas | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo |
| 3. ADDRESS OF OPERATOR 6925 Union Park Center, Suite 145 Midvale, Utah 84047 | | 7. UNIT AGREEMENT NAME Gothic Mesa Unit |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL, 1980' FWL (SE SW) | | 8. FARM OR LEASE NAME |
| 14. PERMIT NO. API 43-037-16454 | | 9. WELL NO. #16-24 |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4713 Gr. 4723 KB OIL, GAS & MINING | | 10. FIELD AND POOL, OR WILDCAT Gothic Mesa |
| 12. COUNTY OR PARISH San Juan | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16-T41S-R23E |
| 13. STATE Utah | | |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input checked="" type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) <input type="checkbox"/> | |
| (Other) <input type="checkbox"/> | | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

7-30-89: MIRU Peese Rig. TOH with 23/8" tubing. RIH with CIBP and set at 5555'.
Spot 10 sacks cement on top of plug. Pressure casing to 1000 psi, Held OK.

7-31-89: Mix and fill hole with 9 lb. mud.

8-1-89: Perforate Hermosa at 4450' and set a 58 sack plug. Squeezed to 1700 psi.

8-3-89: Tubing cemented in hole. Back tubing off at approx. 3000' leaving 1450'
of 23/8" tubing in hole.

8-4-89: Perforate Chinle at 1460'. Set 60 sack plug and squeezed to 500 psi.

8-8-89: Tag Chinle plug at 1400', mix and add 10 sacks to plug. Shot off 4 1/2"
casing at 1370' and pull casing out of well.

8-9-89: Set 113 sack cement plug at 370'. Set 20 sack surface plug in and out
and erect dry hole marker.

Surface reclamation and reseeding to be accomplished as soon as weather and surface
conditions warrant.

18. I hereby certify that the foregoing is true and correct

SIGNED Jason G. Blake
(This space for Federal or State office use)

TITLE Field Operations Manager

DATE 8-25-89

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side